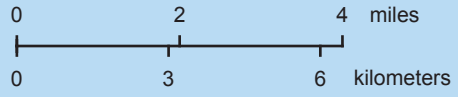


This map is part of a collection from the  
**DIGITAL ATLAS OF SOUTHERN GUAM**  
[www.hydroguam.net](http://www.hydroguam.net)

Created by:  
**Water and Environmental Research Institute of the Western Pacific**  
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# Surface geology

This is a detailed geologic map of southern Guam, showing all the recognized stratigraphic units: formations, members, and facies. The map is based on the newest geologic map of Guam by Siegrist, H.G. and Reagan, M. (2008), who updated and revised the original Geologic Map of Guam by Tracey et al. (1964). Reinterpretation and revision of the map utilized a wealth of new data, including radiometric dating of selected volcanic rocks and a thin-section study of new limestone specimens. The work resulted in a single 1:50,000-scale map, as well as nine 1:24,000 scale maps, corresponding to the USGS 7.5-minute quadrangles that cover the island of Guam. The maps were published in early 2008 and were scanned, georeferenced, and digitized to produce GIS shapefiles.

- |                            |                     |                             |
|----------------------------|---------------------|-----------------------------|
| Facpi Formation            | Maemong Limestone   |                             |
| Alutom Formation           | Alifan Limestone    |                             |
| Mahlac Member              | Talisay Member      | Reef Facies                 |
| Umatac Formation           | Bonya Limestone     | Phosphorite Facies          |
| Dandan Flow Member         | Janum Limestone     | Molluscan Facies            |
| Bolanos Pyroclastic Member | Barrigada Limestone | Halimeda Facies             |
| Schroeder Flow Member      | Tarague Limestone   | Fore-reef Facies            |
| Geus River Member          | Merizo Limestone    | Detrital Facies             |
|                            | Beach Deposits      | Hagåtña Argillaceous Member |
|                            | Aluvium             |                             |
|                            | Artificial fill     |                             |